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Engineering and Design
STRUCTURAL DESIGN OF CLOSURE STRUCTURES
FOR LOCAL FLOOD PROTECTION PROJECTS

1. Purpose. This engineer manual (EM) provides guidance for the structural design of closure structures for openings in levees and floodwalls of inland local flood protection projects (LFPPs). Design requirements for aluminum and steel stoplog closure structures and steel swing, miter, trolley, and rolling gate closure structures for openings in levees and floodwalls of LFPPs are addressed. This guidance provides a framework for incorporating the required elements of design execution into the design process for closure structures.

2. Applicability. This manual is applicable to all HQUSACE elements, major subordinate commands, districts, laboratories and field operating activities having civil works design and construction responsibilities.

FOR THE COMMANDER:



WILLIAM D. BROWN
Colonel, Corps of Engineers
Chief of Staff